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her	ISBN - 978061896	6028	Publisher -	Houg	ghton I	Mifflin (Company	/		Pro
Publisher	Kentucky Experien	ce Science S	tudent Book							vide
Type - P1 Author - Ba		Author - Ba	adders, Carnin	ders, Carnine, Jeanpierre, Feliciani, Sumners, Valentino			0	d by 1		
	Copyright - 2009	pyright - 2009 Edition - 1st			Readab	oility -	4.84 S	SR Spache		he P
Provided by	Course - Elementary	Science		(Grade(s) -	5			ublis
Pro	Teacher Edition ISBN	N if applicable						97806189	65762	her
Overall Recommendation:				Recom	mended a	s Basal				
C	Overall Strengths, Weaknesses, Comments:									

- *While this basal provides only moderate evidence to support our standards, we found moderate coverage of the seven big ideas.
- *We suggest that, should schools choose to adopt this text, they use supplemental materials to fill in where this series is weak.
- *Schools need to be aware that many of the ancillary materials would be necessary for successful implementation of this program.
- *We found minimal technology connections, as well as support for diverse learners.

		CRITERIA This basal resource	
A.		ompasses KY Content Standards & Grade Level ectations	☐ Strong Evidence ☑ Moderate Evidence ☐ Little or No Evidence
		☐ Text is designed to be used in an elective course	outside the Program of Studies
1)	Inc	ludes the 7 Big Ideas of science to the following ext	ent:
	a)	Structure and Transformation of Matter	Strong ☐ Moderate ☐ Little ☐ N/A
	b)	Motion and Forces	☐ Strong ☑ Moderate ☐ Little ☐ N/A
	c)	The Earth and the Universe	☐ Strong ☑ Moderate ☐ Little ☐ N/A
	d)	Unity and Diversity	Strong ☐ Moderate ☐ Little ☐ N/A
	e)	Biological Change	☐ Strong ☑ Moderate ☐ Little ☐ N/A
	f)	Energy Transformation	☐ Strong ☑ Moderate ☐ Little ☐ N/A
	g)	Interdependence	Strong
2)	un	dresses content-specific enduring derstandings from the related Program of Studies ndards.	☐ Strong ☑ Moderate ☐ Little ☐ N/A

Addresses content-specific skills and concepts from the related Program of Studies standards.	☐ Strong ☑ Moderate ☐ Little ☐ N/A
4) Content addressed is current, relevant and non- trivial	☐ Strong ☑ Moderate ☐ Little ☐ N/A
5) Provides opportunities for critical thinking/reasoning	☐ Strong ☑ Moderate ☐ Little ☐ N/A
 6) Strengths, Weaknesses, Comments: Specific strengths-which areas/concepts are covered ex Specific weaknesses-which areas/concepts would likely 	•
*Big Idea 1 is covered in the student text and with in boiling point. Correlated (not congruent) material is on things such as the periodic table, classifications we compounds and chemical formulas. *Big Idea 2 is not covered at DOK 3 level. Investigations and measuring, but little interpretation of data. *Big Idea 3 has really no coverage of water cycle and earth's crust in the student text, however weak investorrelations section of the teacher edition lists pages 2.3.1, which are discussing earth's renewable and not formation, etc., not water circulation through the cru The student text does not cover the interaction of water correlation is listed in the teacher's edition. However with 2.3.2 (interaction of water with Earth materials are about using resources wisely, the 3 R's, landfills, resources. Weather concepts are adequately covered Earth's atmosphere is covered, but would need the teacher's atmosphere is covered, but would need the teacher at a section of the student kit (slides of various types of investigations for Big Idea 4. This material kit is ava a content referenced in Big Idea 5 covers biological pathoroughly than biological change. The content referenced in the teacher's manual relates more closely interdependence than it does to Biological Change. *Content covers kinetic and potential energy in the sonvestigations to match this content at all. Again, the correlating with this content do not. Coverage of eleinvestigations accompany text. Although content on there are no investigations on light. About five pages this. *Coverage of Big Idea 7 is strong, with investigations.	also included in the student text within the table (i.e. noble gases), tions involve observing, predicting disciplations are offered. The stigations are offered. The in the reader that align with or enewable resources, fossil fuel st and atmosphere. The pages listed as correlating and results of those interactions) and placement of earth distributions and text. Eacher to supplement to reach a notent is adequate. The interactional purchase are critical to doing the ilable for additional purchase. The interactions is an energy of the investigations and text. In the big idea correlation to Unity and Diversity and investigations listed as correctly is stronger, and ilight is assessed at this level, so fixed the student text are devoted to
B. Functionality & Suitability	Strong Evidence Moderate Evidence Little or No Evidence

1)	Suit	tability	Strong Moderate Little N/A			
	ϵ	Should be suitable for use with a diverse population and ethnicity, gender, religion, social and/or geographic envious kind.				
2)	Con	ntent quality	☐ Strong ☑ Moderate ☐ Little ☐ N/A			
	• (Free from factual errors Content is presented conceptually when possible—more Content included accurately represents the knowledge be Theories/scientific models contained represent a broad	pase of the discipline			
3)		nnections to Literacy Note: may apply to either student or teacher editions	☐ Strong ☑ Moderate ☐ Little			
	 Employs a variety of reading levels and is grade/level appropriate Contains pre, during, post reading activities Provides opportunities for summarizing, reviewing, and reinforcing vocabulary skills and concepts at multiple levels of difficulty for a variety of learning styles. Student text provides opportunity to integrate reading and writing Uses vocabulary that is age and content appropriate Focuses on critical vocabulary vs. extensive lists Identifies key vocabulary through definitions in both text and glossary Engaging text- does the text facilitate learning? Does understanding the text require having performed the imbedded activities? 					
4)	Con	nnections to Technology	☐ Strong ☐ Moderate ☒ Little			
		ntegrates technology and reflects the impact of technology. Jses technology in the collection and/or manipulation of				
5)	Sup	pport for Diverse Learners	☐ Strong ☐ Moderate ☒ Little			
	• F	Provides support for ESL students Provides support for differentiation of instruction in diver Note: may apply only to teacher edition	se classrooms			
6)	• F	engths, Weaknesses, Comments: Reviewers may provide page numbers to point out specevaluation standards.	ific strong examples for individual			
e n * ir * n *	*We have some concerns with the accuracy of information and content quality. For example, an assessment question on air pressure promotes some misconceptions and makes no mention of gravity as a force acting on the paper. *This basal contains pre, during and post reading activities. No vocabulary introduction is included. *Writing connections involved are minimal. No mention of science journals or notebooks is included. *A glossary is included at the end of each section, as well as *Leveled readers and vocabulary cardsare available for purchase. *Online readers are listed are listed as available, however we were not able to access					

them. A test generator is available in the gratis materials, if you select it. The leveled readers are available on disc for purpose. The ELL Support Manual would need to be purchased separately. It says it contains a MP3 CD, however it was not available for our review. C. Supports Inquiry and Skill Development **Strong Evidence Moderate Evidence** Little or No Evidence 1) Promotes Inquiry, research and Application of Learning ☐ Strong ✓ Moderate ☐ Little Provides opportunities for inquiry and research that includes activities such as self-selecting topics, formulating authentic questions, gathering information, researching resources, observing, interviewing, and evaluating information, analyzing and synthesizing data and communicating findings and conclusions. Requires students to use higher-level cognitive skills (analysis, synthesis, evaluation, etc.) Provides activities and projects for students to deepen their knowledge and cultivate and strengthen problem-solving and decision-making skills. Provides opportunities for application of learned concepts. Uses a variety of relevant charts, graphs, diagrams, time lines, and other illustrations to invite and motivate students to engage in discussion, problem solving, and other high-order thinking skills. Emphasizes conceptual understandings that invite students to predict, conclude, evaluate, develop and extend ideas to support reasoning. Note: may apply to either teacher or student edition 2) Skill Development ☐ Strong ☐ Moderate ☐ Little Provides opportunities to make sense of data Provides opportunities for critical thinking and reasoning (analyze arguments, distinguish fact/opinion, recognize bias) • Provides opportunities to examine a range of types of evidence Contains embedded activities (or extensions) that emphasize use of technology for problem Note: may apply to either teacher or student edition 3) Strengths, Weaknesses, Comments: *Some investigations are strong in the use of inquiry and science process skills, especially with regard to life sciences. Not many opportunities are included for students to self select topics. *Just a few graphs are included in the text, although there are several tables and charts.

D. Supports Best Practices of Teaching and Learning	Strong Evidence Moderate Evidence
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	Little or No Evidence			
1) Engages Students	☐ Strong ☑ Moderate ☐ Little			
 Includes content geared to the needs, interests, and abilities of students Engages and motivates students using components such as real-life situations, simulations, experiments, and data gathering. Includes information and activities that assist students in seeing relevance of concepts (where appropriate) to their own lives and experiences Provides a variety of strategies, activities, and materials to enhance student learning at the appropriate learning levels Activities are truly congruent to the concepts addressed, not merely correlated <i>Note: may apply to either teacher or student edition</i> 				
2) Uses Assessment to Inform Instruction	☐ Strong ☑ Moderate ☐ Little			
 Includes multiple means of assessment as an integral part of instruction Provides evaluation measures in the teacher edition that supports differentiated learning activities Embedded assessments reflect a variety of Depth of Knowledge levels <i>Note: may apply to either teacher or student edition</i> Strengths, Weaknesses, Comments: Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards 				
*Questioning is used moderately throughout the investigations. *Assessment questions are listed at the end of each text chapter over vocabulary and comprehension of concepts. An open ended critical thinking question is included. *A test generator is available in gratis materials. There is a KCCT Prep book with multiple choice and open response questions, divided into life, physical and earth science sections. At times the ORQs do not match content assessed at that grade level.				
E. Has an Organization/ Format that Supports Learning and Teaching	☐ Strong Evidence☐ Moderate Evidence☐ Little or No Evidence			
1) Organizational Quality ☐ Strong ☑ Moderate ☐ Li				
 Print and/or electronic materials present minimal barriers to learners Presents chapters/lessons in an organized and logical sequence Provides clearly stated objectives for each lesson. Uses text features (e.g., titles, headings, subheadings, review questions, goals, objectives, 				

Ses text reactives (e.g., titles, readings, subheadings, review questions, goals, objectives, space, print, type size, color) to enhance readability.
 Makes use of various forms of media (e.g., CD's, recordings, videos, cassette tapes, computer software, web-based components) as either student or teacher resources
 Includes clear, accurate, appropriate and clearly explained illustrations and/or graphics that

reinforce content standards.

- Incorporates a glossary, footnotes, recordings, pictures, and/or tests that aid pupils and teachers in using the book effectively
- Uses grade-appropriate type size

Included media are durable, easy to use and have technical merit

• Construction appears to be durable and able to withstand normal use

☐ Strong ☐ Moderate ☒ Little

 Items identified as essential components support the learning goals and concept coverage of the basal

3) Strengths, Weaknesses, Comments:

 Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

*The manual is organized into sections of correlation with the Kentucky big ideas, investigations, and science reader support. The teacher's edition does not contain copies of student text pages, which would be almost necessary for teacher planning purposes.

*The inclusion of media and technology is minimal. No materials other than student text and the teacher's edition are considered as essential components.

F. Has available Ancillary/ Gratis Materials

Note: The decision whether to recommend or not recommend this resource as a basal should not be influenced by Section F

	Strong Evidence			
■ Moderate Evidence				
	Little or No Evidence			

1) Ancillary/Gratis Materials

- Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).
- Are well-organized and easy to use
- Provide substantive learning opportunities and are congruent with student learning goals
- Provide opportunities for high-level thinking, assessment, and/or problem solving

2) Strengths, Weaknesses, Comments:

 Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Jer	ISBN - 9780618966028		Publisher - Ho	Publisher - Houghton Mifflin Company					
Provided by the Publisher	Kentu	Kentucky Experience Science Student Book						VIG	
the P	Type - P1 Author - Bac			adders, Carnine, J	dders, Carnine, Jeanpierre, Feliciani, Sumners, Valer			alentino	2
d by	Copyright - 2009 Edition - 1st				Readability - 4.84 SSR S			nche	
ovide	Cours	e - Elementary	Science		Grade(s	s) -	5		
ď	Teach	er Edition ISBN	l if applicable	9			978	80618965762	9
	Overall Recommendation: Recommended as Basal								
	After review we found that amidst some initial confusion, focused study of the organizational format, the TE and Student Reader are strong resources as a basal. Granted some of the formatting is sketchy, the overall content is more than sufficient to support our content standards.								
				CRITE This basal re					_
Δ	A. Encompasses KY Content Standards & Grade Level Expectations Strong Evidence Moderate Evidence Little or No Evidence								
		☐ Text is d	esigned to b	e used in an electiv	ve course	outside t	the Program of	Studies	
	1) Inc	ludes the 7 Bi	g Ideas of s	cience to the follo	wing exte	ent:			
	a)	Structure and	Transformat	ion of Matter		Stron	g Moderate	Little N/A	
	b)	Motion and Fo	orces			Stron	g Moderate	Little N/A	
	c)	The Earth and	the Univers	е		Stron	g Moderate	Little N/A	
	d)	Unity and Dive	ersity			Stron	g Moderate	Little N/A	
	e)	Biological Cha	ınge			Stron	g Moderate	Little N/A	
	f)	Energy Transf	ormation			Stron	g Moderate	Little N/A	
	g)	Interdepender	nce			Stron	g Moderate	Little N/A	
	un	dresses conte derstandings f ndards.		enduring ated Program of S	Studies	Stron	g Moderate	Little N/A	
		dresses conte related Progr		skills and conceptes standards.	ts from	Stron	g	Little N/A	

4) Content addressed is current, relevant and non-trivial	Strong ☐ Moderate ☐ Little ☐ N/A
5) Provides opportunities for critical thinking/reasoning	g ⊠ Strong ☐ Moderate ☐ Little ☐ N/A
 6) Strengths, Weaknesses, Comments: Specific strengths-which areas/concepts are covered Specific weaknesses-which areas/concepts would like 	
Evidence of all content to be covered in the CCA 4. concepts in a non-traditional way.	1 but addresses some of the
B. Functionality & Suitability	Strong Evidence Moderate Evidence Little or No Evidence
1) Suitability	Strong ☐ Moderate ☐ Little ☐ N/A
 Should be suitable for use with a diverse population a ethnicity, gender, religion, social and/or geographic en any kind. 	
2) Content quality	Strong ☐ Moderate ☐ Little ☐ N/A
 Free from factual errors Content is presented conceptually when possible—m Content included accurately represents the knowledg Theories/scientific models contained represent a broad 	e base of the discipline
3) Connections to Literacy Note: may apply to either student or teacher editions	
 Employs a variety of reading levels and is grade/level Contains pre, during, post reading activities Provides opportunities for summarizing, reviewing, ar at multiple levels of difficulty for a variety of learning s Student text provides opportunity to integrate reading Uses vocabulary that is age and content appropriate Focuses on critical vocabulary vs. extensive lists Identifies key vocabulary through definitions in both to Engaging text- does the text facilitate learning? Does understanding the text require having performed 	nd reinforcing vocabulary skills and concepts styles. I and writing ext and glossary
4) Connections to Technology	☐ Strong ☐ Moderate ☒ Little
 Integrates technology and reflects the impact of techn Uses technology in the collection and/or manipulation 	
5) Support for Diverse Learners	☐ Strong ☐ Moderate ☒ Little

- Provides support for ESL students
- Provides support for differentiation of instruction in diverse classrooms Note: may apply only to teacher edition

6) Strengths, Weaknesses, Comments:

• Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Support for diverse learners is referenced in the TE but not available for review. There were no connections to techology that we could review, it is also referenced in the TE. Literary connections were strong, evident in the reader, assessments and extensions.

C. Supports Inquiry and Skill Development	Strong Evidence Moderate Evidence Little or No Evidence
1) Promotes Inquiry, research and Application of Learning	
 Provides opportunities for inquiry and research that includes actopics, formulating authentic questions, gathering information, r interviewing, and evaluating information, analyzing and synthes findings and conclusions. Requires students to use higher-level cognitive skills (analysis, Provides activities and projects for students to deepen their knows trengthen problem-solving and decision-making skills. Provides opportunities for application of learned concepts. Uses a variety of relevant charts, graphs, diagrams, time lines, motivate students to engage in discussion, problem solving, and Emphasizes conceptual understandings that invite students to provide and extend ideas to support reasoning. Note: may apply to either teacher or student edition 	esearching resources, observing, sizing data and communicating synthesis, evaluation, etc.) where and cultivate and and other illustrations to invite and dother high-order thinking skills.
2) Skill Development	
 Provides opportunities to make sense of data Provides opportunities for critical thinking and reasoning (analyzifact/opinion, recognize bias) Provides opportunities to examine a range of types of evidence Contains embedded activities (or extensions) that emphasize us solving 	

3) Strengths, Weaknesses, Comments:

Note: may apply to either teacher or student edition

Investigations provide ample opportunities for skill development and inquiry. Extensions and assessments are authentic and relevant to CCA 4.1.

D. Supports Best Practices of Teaching and Learning	Strong Evidence Moderate Evidence Little or No Evidence		
1) Engages Students	Strong		
 Includes content geared to the needs, interests, and abilities of students Engages and motivates students using components such as real-life situations, simulations, experiments, and data gathering. Includes information and activities that assist students in seeing relevance of concepts (where appropriate) to their own lives and experiences Provides a variety of strategies, activities, and materials to enhance student learning at the appropriate learning levels Activities are truly congruent to the concepts addressed, not merely correlated <i>Note: may apply to either teacher or student edition</i> 			
2) Uses Assessment to Inform Instruction	Strong		
 Includes multiple means of assessment as an integral part of instruction Provides evaluation measures in the teacher edition that supports differentiated learning activition Embedded assessments reflect a variety of Depth of Knowledge levels Note: may apply to either teacher or student edition 			
 3) Strengths, Weaknesses, Comments: Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards 			
Content is engaging and multiple opportunities for assessments. Can be confusing, requires prior examination of TE vs. student reader.			
E. Has an Organization/ Format that Supports Learning and Teaching	☐ Strong Evidence ☐ Moderate Evidence ☐ Little or No Evidence		
1) Organizational Quality	☐ Strong ☑ Moderate ☐ Little		
Print and/or electronic materials present minimal barriers to learners			

- Presents chapters/lessons in an organized and logical sequence
- Provides clearly stated objectives for each lesson.
- Uses text features (e.g., titles, headings, subheadings, review questions, goals, objectives, space, print, type size, color) to enhance readability.
- Makes use of various forms of media (e.g., CD's, recordings, videos, cassette tapes, computer software, web-based components) as either student or teacher resources
- Includes clear, accurate, appropriate and clearly explained illustrations and/or graphics that reinforce content standards.
- Incorporates a glossary, footnotes, recordings, pictures, and/or tests that aid pupils and teachers in using the book effectively

F.	Has available Ancillary/ Gratis Materials Note: The decision whether to recommend or not recommend this resource as a basal should not be influenced by Section F	
The design of the TE is weak yet strong in content and engagement. Possible confusion with new implementation could be expected but easily overcome by deconstructing the format in the TE.		
 3) Strengths, Weaknesses, Comments: Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards. 		
	 Items identified as essential components support the learning goals and concept coverage of the basal 	
2) Essential Components (beyond student and teacher text)	☐ Strong ☐ Moderate ☒ Little
 Uses grade-appropriate type size Included media are durable, easy to use and have technical merit Construction appears to be durable and able to withstand normal use 		

1) Ancillary/Gratis Materials

- Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).
- · Are well-organized and easy to use
- Provide substantive learning opportunities and are congruent with student learning goals
- Provide opportunities for high-level thinking, assessment, and/or problem solving

2) Strengths, Weaknesses, Comments:

 Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Although non-essential, the materials are helpful for diverse learners and planning.